

=====

Sequence Listing was accepted.

If you need help call the Patent Electronic Business Center at (866)
217-9197 (toll free).

Reviewer: markspencer

Timestamp: [year=2007; month=12; day=27; hr=15; min=45; sec=33; ms=338;
]

=====

Application No: 10511284

Version No: 1.0

Input Set:**Output Set:****Started:** 2007-12-07 16:47:17.248**Finished:** 2007-12-07 16:47:19.200**Elapsed:** 0 hr(s) 0 min(s) 1 sec(s) 952 ms**Total Warnings:** 59**Total Errors:** 0**No. of SeqIDs Defined:** 59**Actual SeqID Count:** 59

Error code	Error Description
W 213	Artificial or Unknown found in <213> in SEQ ID (1)
W 213	Artificial or Unknown found in <213> in SEQ ID (2)
W 213	Artificial or Unknown found in <213> in SEQ ID (3)
W 213	Artificial or Unknown found in <213> in SEQ ID (4)
W 213	Artificial or Unknown found in <213> in SEQ ID (5)
W 213	Artificial or Unknown found in <213> in SEQ ID (6)
W 213	Artificial or Unknown found in <213> in SEQ ID (7)
W 213	Artificial or Unknown found in <213> in SEQ ID (8)
W 213	Artificial or Unknown found in <213> in SEQ ID (9)
W 213	Artificial or Unknown found in <213> in SEQ ID (10)
W 213	Artificial or Unknown found in <213> in SEQ ID (11)
W 213	Artificial or Unknown found in <213> in SEQ ID (12)
W 213	Artificial or Unknown found in <213> in SEQ ID (13)
W 213	Artificial or Unknown found in <213> in SEQ ID (14)
W 213	Artificial or Unknown found in <213> in SEQ ID (15)
W 213	Artificial or Unknown found in <213> in SEQ ID (16)
W 213	Artificial or Unknown found in <213> in SEQ ID (17)
W 213	Artificial or Unknown found in <213> in SEQ ID (18)
W 213	Artificial or Unknown found in <213> in SEQ ID (19)
W 213	Artificial or Unknown found in <213> in SEQ ID (20)

Input Set:

Output Set:

Started: 2007-12-07 16:47:17.248
Finished: 2007-12-07 16:47:19.200
Elapsed: 0 hr(s) 0 min(s) 1 sec(s) 952 ms
Total Warnings: 59
Total Errors: 0
No. of SeqIDs Defined: 59
Actual SeqID Count: 59

Error code

Error Description

This error has occurred more than 20 times, will not be displayed

SEQUENCE LISTING

<110> Dot Diagnostics B.V.

<120> Human Papilloma Virus detection with DNA microarray

<130> 100788.0030US

<140> 10511284

<141> 2007-12-07

<160> 59

<170> PatentIn Ver. 2.1

<210> 1

<211> 20

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: based on
genomic DNA sequence from Human Papilloma Virus

<220>

<221> primer_bind

<222> (1)..(20)

<400> 1

gtgccaggaw cagttgtag

20

<210> 2

<211> 18

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: based on
genomic DNA sequence from Human Papilloma Virus

<220>

<221> primer_bind

<222> (1)..(18)

<400> 2

cawktghatt tcaatdgc

18

<210> 3

<211> 20

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: based on

genomic DNA sequence from Human Papilloma Virus

<220>

<221> primer_bind

<222> (1)..(20)

<400> 3

cagttgttag aactktatga

20

<210> 4

<211> 20

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: based on
genomic DNA sequence from Human Papilloma Virus

<220>

<221> primer_bind

<222> (1)..(20)

<400> 4

tcytgyaahg tccahggytc

20

<210> 5

<211> 20

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: based on
genomic DNA sequence from Human Papilloma Virus

<220>

<221> primer_bind

<222> (1)..(20)

<400> 5

gaaatsvtty ttymraaggt

20

<210> 6

<211> 20

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: based on
genomic DNA sequence from Human Papilloma Virus

<220>

<221> primer_bind

<222> (1)..(20)

<400> 6
tcctggcacr catctaaacg 20

<210> 7
<211> 23
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: based on
genomic DNA sequence from Human Papilloma Virus

<220>
<221> primer_bind
<222> (1)..(23)

<400> 7
tttbhaaatv catttccawt wga 23

<210> 8
<211> 24
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: based on
genomic DNA sequence from Human Papilloma Virus

<220>
<221> primer_bind
<222> (1)..(24)

<400> 8
taaacghtkr sahagnktct ccat 24

<210> 9
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: based on
genomic DNA sequence from Human Papilloma Virus

<220>
<221> primer_bind
<222> (1)..(20)

<400> 9
cctttttctc aaggacgtgg 20

<210> 10
<211> 20

<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: based on
genomic DNA sequence from Human Papilloma Virus

<220>
<221> primer_bind
<222> (1)..(20)

<400> 10
cdtgggtscar attagayttg 20

<210> 11
<211> 18
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: based on
genomic DNA sequence from Human Papilloma Virus

<220>
<221> primer_bind
<222> (1)..(18)

<400> 11
gnhgghacca cbtgggtgg 18

<210> 12
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: based on
genomic DNA sequence from Human Papilloma Virus

<220>
<221> primer_bind
<222> (1)..(20)

<220>
<221> modified_base
<222> (2)
<223> i

<220>
<221> modified_base
<222> (7)
<223> i

<220>
<221> modified_base

<222> (10)

<223> i

<220>

<221> modified_base

<222> (17)

<223> i

<400> 12

cntggtncan attaganttg

20

<210> 13

<211> 18

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: based on
genomic DNA sequence from Human Papilloma Virus

<220>

<221> primer_bind

<222> (1)..(18)

<220>

<221> modified_base

<222> (2)..(3)

<223> i

<220>

<221> modified_base

<222> (6)

<223> i

<220>

<221> modified_base

<222> (12)

<223> i

<400> 13

gnnggnacca cntggtgg

18

<210> 14

<211> 22

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: based on
genomic DNA sequence from Human Papilloma Virus

<220>

<221> primer_bind

<222> (1)..(22)

<220>
<221> modified_base
<222> (5)
<223> i

<220>
<221> modified_base
<222> (8)..(9)
<223> i

<220>
<221> modified_base
<222> (11)
<223> i

<220>
<221> modified_base
<222> (20)
<223> i

<400> 14
twgsnytnnt ngatgaygyn ac

22

<210> 15
<211> 22
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: based on
genomic DNA sequence from Human Papilloma Virus

<220>
<221> primer_bind
<222> (1)..(22)

<220>
<221> modified_base
<222> (2)
<223> i

<220>
<221> modified_base
<222> (5)
<223> i

<220>
<221> modified_base
<222> (8)
<223> i

<220>
<221> modified_base
<222> (20)
<223> i

<400> 15
tngsnynwt rgatgatgcn ac

22

<210> 16
<211> 22
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: based on
genomic DNA sequence from Human Papilloma Virus

<220>
<221> primer_bind
<222> (1)..(22)

<220>
<221> modified_base
<222> (2)
<223> i

<220>
<221> modified_base
<222> (5)
<223> i

<220>
<221> modified_base
<222> (8)..(9)
<223> i

<220>
<221> modified_base
<222> (11)
<223> i

<220>
<221> modified_base
<222> (20)
<223> i

<400> 16
tngsnynnt ngatgaygyn ac

22

<210> 17
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: based on
genomic DNA sequence from Human Papilloma Virus

<220>
<221> primer_bind

<222> (1)..(20)

<400> 17

gatttccagc tttggtcagt

20

<210> 18

<211> 27

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: based on
genomic DNA sequence from Human Papilloma Virus

<220>

<221> primer_bind

<222> (1)..(27)

<220>

<221> modified_base

<222> (22)

<223> i

<400> 18

ccamarcctt tyaaaraaag ankycca

27

<210> 19

<211> 26

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: based on
genomic DNA sequence from Human Papilloma Virus

<220>

<221> primer_bind

<222> (1)..(26)

<220>

<221> modified_base

<222> (10)

<223> i

<220>

<221> modified_base

<222> (21)

<223> i

<400> 19

smaaryttkn kraaaaaasa nktcca

26

<210> 20

<211> 22

<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: based on
genomic DNA sequence from Human Papilloma Virus

<220>
<221> primer_bind
<222> (1)..(22)

<400> 20
tngsnynht dgatgaygyn ac 22

<210> 21
<211> 27
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: based on
genomic DNA sequence from Human Papilloma Virus

<220>
<221> primer_bind
<222> (1)..(27)

<400> 21
ssmmmarytk hbraaraaas abkycca 27

<210> 22
<211> 27
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: based on
genomic DNA sequence from Human Papilloma Virus

<220>
<221> primer_bind
<222> (1)..(27)

<400> 22
ccamarcctt tyaaaraaag abkycca 27

<210> 23
<211> 26
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: based on
genomic DNA sequence from Human Papilloma Virus

<220>
 <221> primer_bind
 <222> (1)..(26)

 <400> 23
 vmaaryttkh kraaaaaasa bktcca 26

 <210> 24
 <211> 35
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Description of Artificial Sequence: detection
 probe, based on genomic DNA sequence from Human
 Papilloma Virus

 <400> 24
 ttttcttttc ttttcagagg agcaggacga caatg 35

 <210> 25
 <211> 35
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Description of Artificial Sequence: detection
 probe, based on genomic DNA sequence from Human
 Papilloma Virus

 <400> 25
 ttttcttttc ttttctgaag acgaggagga caatg 35

 <210> 26
 <211> 35
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Description of Artificial Sequence: detection
 probe, based on genomic DNA sequence from Human
 Papilloma Virus

 <400> 26
 ttttcttttc ttttccatt aaaggtgtcc gaagc 35

 <210> 27
 <211> 35
 <212> DNA
 <213> Artificial Sequence

 <220>

<223> Description of Artificial Sequence: detection
probe, based on genomic DNA sequence from Human
Papilloma Virus

<400> 27

ttttcttttc ttttcagatg tgtcaaaagc caaag

35

<210> 28

<211> 35

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: detection
probe, based on genomic DNA sequence from Human
Papilloma Virus

<400> 28

ttttcttttc ttttccgagg aggagcatgg aaacc

35

<210> 29

<211> 35

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: detection
probe, based on genomic DNA sequence from Human
Papilloma Virus

<400> 29

ttttcttttc ttttccatt aactgtgtca gagac

35

<210> 30

<211> 35

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: detection
probe, based on genomic DNA sequence from Human
Papilloma Virus

<400> 30

ttttcttttc ttttcattga cagtatcaca agcta

35

<210> 31

<211> 35

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: detection

probe, based on genomic DNA sequence from Human
Papilloma Virus

<400> 31
ttttcttttc ttttcagac ctacgtgacc atata 35

<210> 32
<211> 35
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: detection
probe, based on genomic DNA sequence from Human
Papilloma Virus

<400> 32
ttttcttttc ttttcacatg gcatacagac attaa 35

<210> 33
<211> 35
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: detection
probe, based on genomic DNA sequence from Human
Papilloma Virus

<400> 33
ttttcttttc ttttcgagga aaatggaaac cctag 35

<210> 34
<211> 35
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: detection
probe, based on genomic DNA sequence from Human
Papilloma Virus

<400> 34
ttttcttttc ttttctagta aacgactttg tgatc 35

<210> 35
<211> 35
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: detection
probe, based on genomic DNA sequence from Human

Papilloma Virus

<400> 35

ttttcttttc ttttcagcac tggaaatata caggg 35

<210> 36

<211> 35

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: detection
probe, based on genomic DNA sequence from Human
Papilloma Virus

<400> 36

ttttcttttc ttttccttta ttgtatacag ccaaa 35

<210> 37

<211> 35

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: detection
probe, based on genomic DNA sequence from Human
Papilloma Virus

<400> 37

ttttcttttc ttttcagtaa tggaaatcca ctata 35

<210> 38

<211> 35

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: detection
probe, based on genomic DNA sequence from Human
Papilloma Virus

<400> 38

ttttcttttc ttttctagca catgtttgtc tgatc 35

<210> 39

<211> 35

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: detection
probe, based on genomic DNA sequence from Human
Papilloma Virus

<400> 39
 ttttcttttc ttttcagaat actatgaaca agaca 35

<210> 40
 <211> 35
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: detection
 probe, based on genomic DNA sequence from Human
 Papilloma Virus

<400> 40
 ttttcttttc ttttcagatg tttcaaaggc taaag 35

<210> 41
 <211> 35
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: detection
 probe, based on genomic DNA sequence from Human
 Papilloma Virus

<400> 41
 ttttcttttc ttttcaacat tggaaacatg tagag 35

<210> 42
 <211> 35
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: detection
 probe, based on genomic DNA sequence from Human
 Papilloma Virus

<400> 42
 ttttcttttc ttttcgaaat gtatacgata tgaat 35

<210> 43
 <211> 35
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: detection
 probe, based on genomic DNA sequence from Human
 Papilloma Virus

<400> 43
ttttcttttc ttttcacatg gtattaccaa actaa 35

<210> 44
<211> 35
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: detection
probe, based on genomic DNA sequence from Human
Papilloma Virus

<400> 44
ttttcttttc ttttcttttg ttttacaaag caaag 35

<210> 45
<211> 35
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: detection
probe, based on genomic DNA sequence from Human
Papilloma Virus

<400> 45
ttttcttttc ttttcttttag cgctgaacga caacg 35

<210> 46
<211> 35
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: detection
probe, based on genomic DNA sequence from Human
Papilloma Virus

<400> 46
ttttcttttc ttttctgtta ttacacaaag caaag 35

<210> 47
<211> 35
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: detection
probe, based on genomic DNA sequence from Human
Papilloma Virus

<400> 47

ttttcttttc ttttcgtttc tttacaagga cgtgg 35

<210> 48

<211> 35

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: detection
probe, based on genomic DNA sequence from Human
Papilloma Virus

<400> 48

ttttcttttc ttttcagagg atcaggaaga caatg 35

<210> 49

<211> 35

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: detection
probe, based on genomic DNA sequence from Human
Papilloma Virus

<400> 49

ttttcttttc ttttcctata atgtatacag ccaga 35

<210> 50

<211> 35

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: detection
probe, based on genomic DNA sequence from Human
Papilloma Virus

<400> 50

ttttcttttc ttttcagaca ttaatgaaca cataa 35

<210> 51

<211> 35

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: detection
probe, based on genomic DNA sequence from Human
Papilloma Virus

<400> 51

ttttcttttc ttttcagagg gatctgatca acagg 35

<210> 52
<211> 35
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: detection
probe, based on genomic DNA sequence from Human
Papilloma Virus

<400> 52
ttttcttttc ttttcctttg tattataaag ctaaa 35

<210> 53
<211> 35
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: detection
probe, based on genomic DNA sequence from Human
Papilloma Virus

<400> 53
ttttcttttc ttttcagttt tttttccacc acttg 35

<210> 54
<211> 35
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: detection
probe, based on genomic DNA sequence from Human
Papilloma Virus

<400> 54
ttttcttttc ttttcagaac attatgaaca ggaca 35

<210> 55
<211> 35
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: dete